

CLAIMS

1. A method to allocate a reverse link within a band class, said reverse link communicatively coupling a base station and a mobile station, comprising:

2 4 transmitting first information on a multi-carrier forward link comprising
6 multiple frequencies;

8 receiving said first information at said mobile station;
2 transmitting second information on said reverse link at one of said
multiple frequencies; and

8 receiving said second information at said base station.

2 2 2. The method in accordance with claim 1, wherein said multiple frequencies support any combination of code channels.

3 2 3. The method in accordance with claim 2, wherein one of said code channels on said forward link is used to communicate power control information for said reverse link and a fundamental channel.

4 2 4. The method in accordance with claim 3, wherein a channel other than said one of said code channels is used for a supplemental channel.

5 2 5. The method in accordance with claim 1, wherein said reverse link is varied over said band class allocated to said mobile station.

6. The method in accordance with claim 5, wherein said multiple
2 frequencies consist of three frequencies.

7. The method in accordance with claim 6, wherein said multiple
2 frequencies are adjacent frequencies.

8. The method in accordance with claim 6, wherein said multiple
2 frequencies are adjacent frequencies separate from another frequency
4 supporting another type of channel, said another type of channel being different
than channels supported by said adjacent frequencies.

9. The method in accordance with claim 8, wherein said another type of
2 channel is a time-division-duplexing channel, and said channels are frequency-
division-duplexing channels.

add
c1
add
TDD